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ON THE QUESTION OF THE ENERGY RESOLUTION OF SCINTILLATION COUNTERS. [1963].
Order from SIC $12.00

Trans. of mono. Konference o Monokrystalech (Conference on Single Crystals) (no. 3) Prague, 1960. [Proceedings] p. 192-197.

DESCRIPTORS: *Scintillation counters, *Compton scattering, Crystals, Energy, Light, Gamma rays.

Examination of the effect of Compton scattering of γ-quanta in crystals and the energy resolution of scintillation counters. The effect is to reduce the spread and lower the influence of nonuniformity of the light yield. (SIC abstract)

(Nuclear Physics--Instruments, TT, v. 11, no. 1)

TT-63-22250

I. Ratner, A. M.
II. Kukushkin, L. S.
III. Title: Conference . . .
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Investigation of Some of the Physical Processes Which Occur on the Surface of Crystalline Solids at High Temperature. 6. A Method of Determining the Coefficients of Surface and Chemical Diffusion in Crystalline Solids, by YA. YE. GEGUZIN, G. N. GOVALEV, A. M. RATNER, 13 pp.

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Solubility of $Na_4UO_8 \cdot 9H_2O$ Salt in Water and in Solutions of Various Electrolytes, by A. P. Ratner, A. M. Gurevich, L. P. Polozhenskaya, 13 pp.

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AEC-tr-4498(p.168-75) Uncl.

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Thermodynamics of the System Potassium Chloride-rubidium Chloride-water at 25°C. II, by A. P. RATNER, L. L. MAKAROV, 3 pp.

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Methods of Establishing the Mechanism of the Co-precipitates of Little Difficulty Soluble Salts, A. P. Rainer, 4 pp.

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Ratner, A. V. and Kagan, D. Ya.
INVESTIGATING CORROSIVE ACTION IN PACKINGS. [1961]
Order from FT $11.75 FT-612

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 35-39.

DESCRIPTORS: *Gasket, *Hydraulic seals, *Pneumatic packing, Corrosion, Corrosion research.

(Metallurgy--Corrosion, TT. v. 6, no. 10)

61-25415

I. Ratner, A. V.
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DESIGN OF SUPERHIGH-PRESSURE STEAM PIPING FOR STRENGTH (Raschet Paroprovodov Sverkhvysokogo Davleniya na Prochnost'). July 61 [12]p. 9 refs. RTS 1846.
Order from OTS or SLA $1.60 61-27188

Trans. of Teploenergetika (USSR) 1960 [v. 7] no 9, p. 44-49.

DESCRIPTORS: *Steam pipes, Design, Tensile properties, *Stresses.

The paper describes an experimental determination of the expansion forces and bending moments acting in steam piping. It gives an improved method for the calculation of piping for strength. (Author)

(Engineering--Mechanical, TT, v. 6, no. 7)

61-27188

I. Ratner, A. V.
II. Aristov, M. Ya.
III. RTS-1846
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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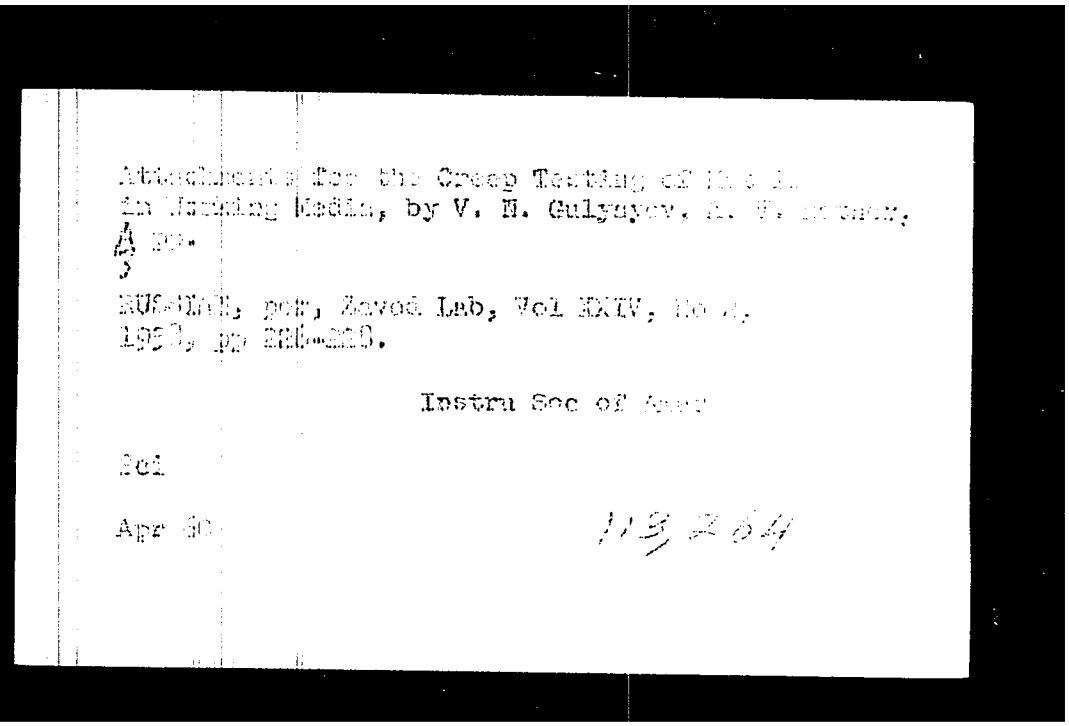

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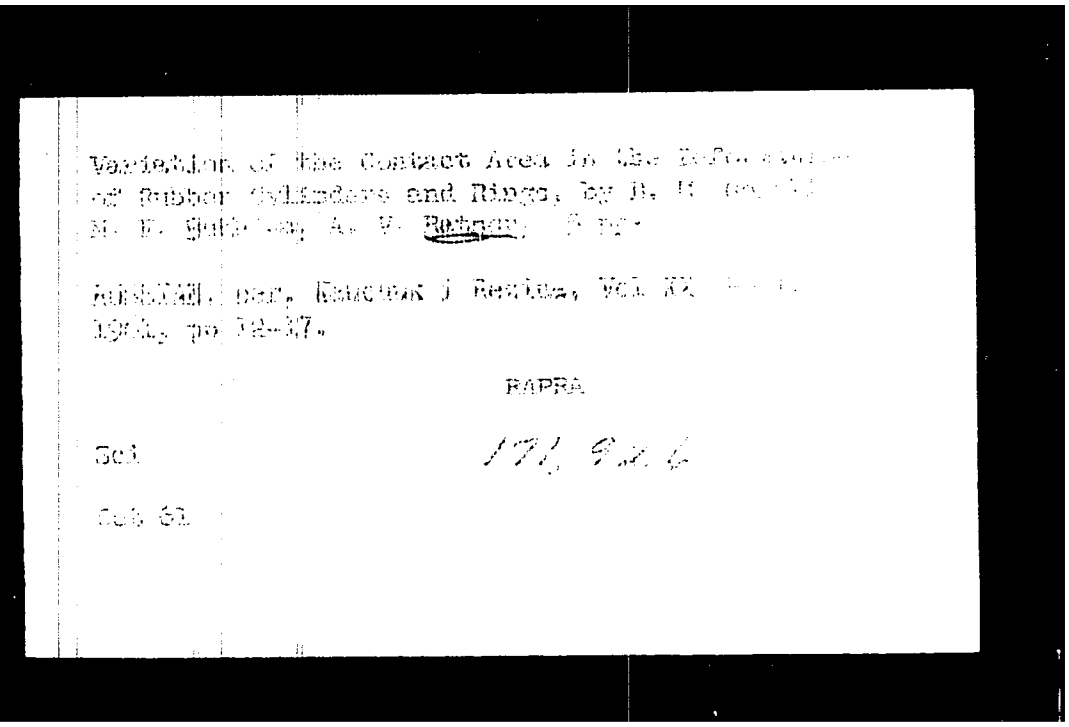

Variation of the Contact Area in the Deformation of Rubber Cylinders and Rings, by [illegible] M. F. Spotts, A. V. Bobrow. 5 pp.

Publ. [illegible], Rubber & Resins, Vol. XX [illegible] 1963, pp 32-37.

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A. V. RATNER

An investigation of the effect of alternating temperature stresses on the strength of steels

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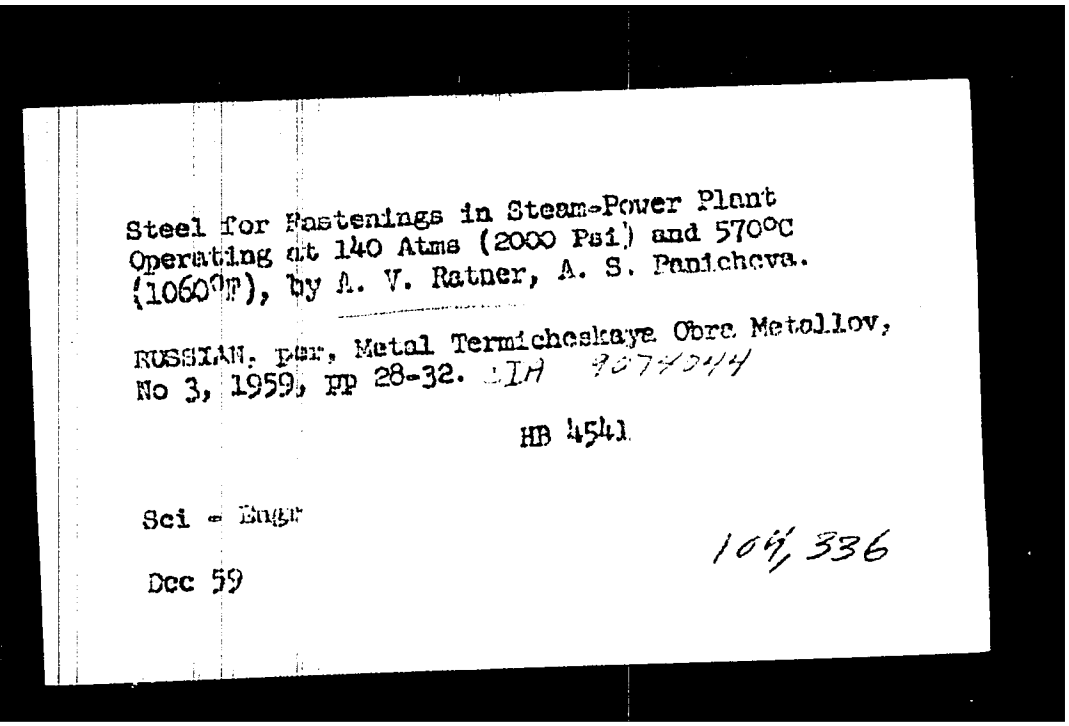

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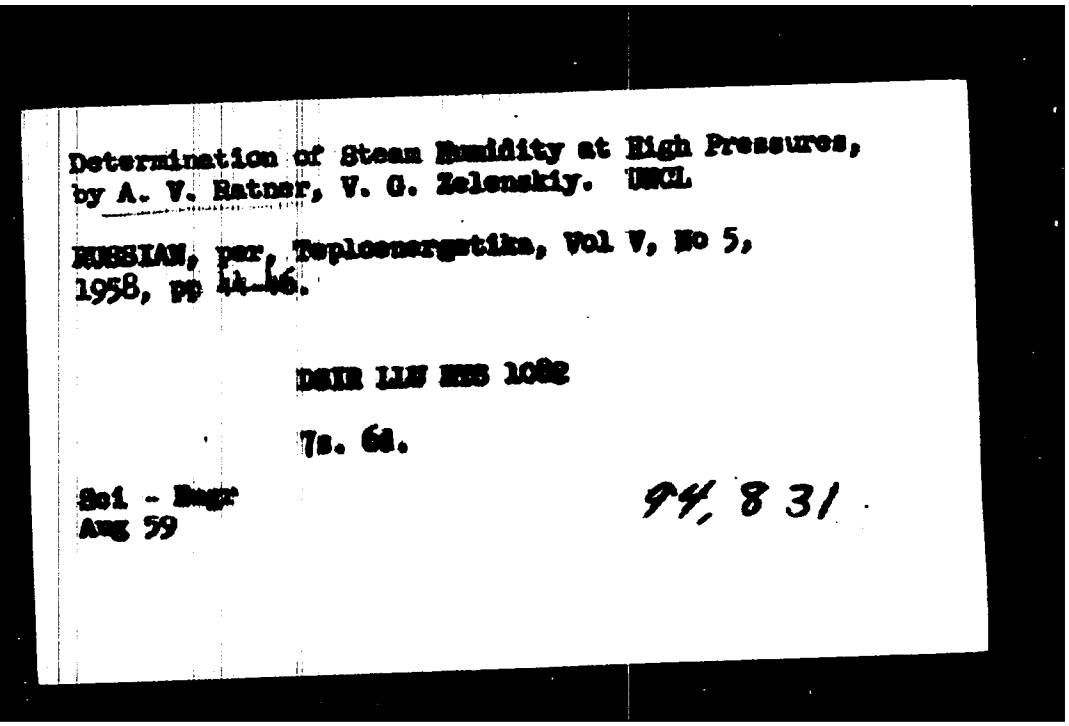

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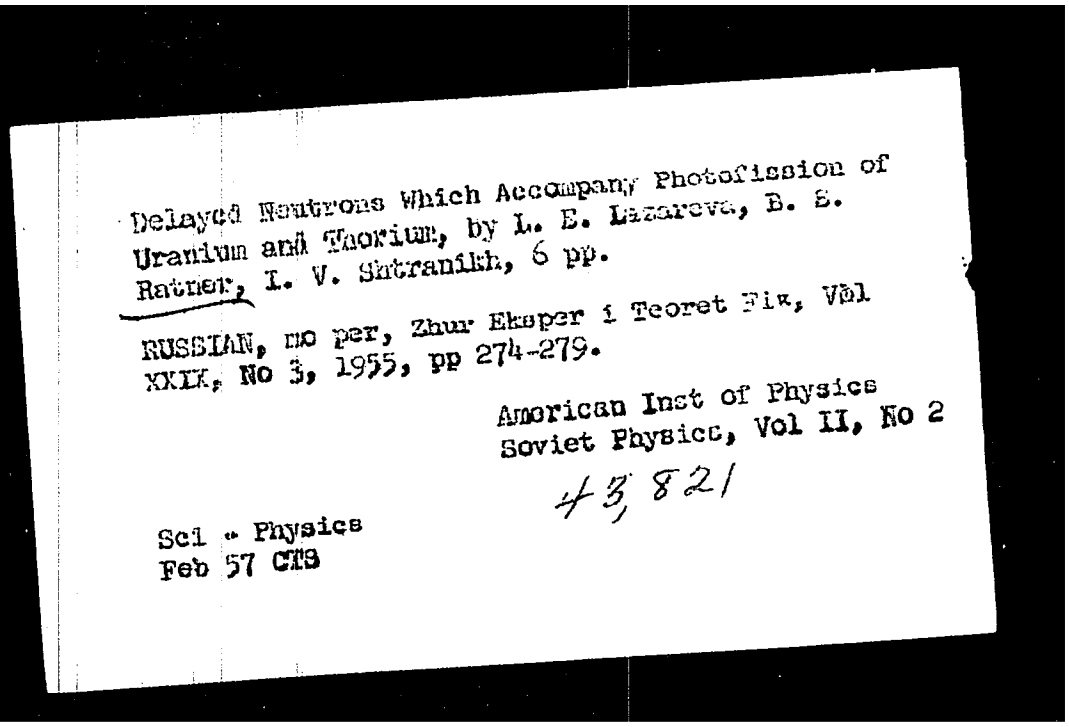

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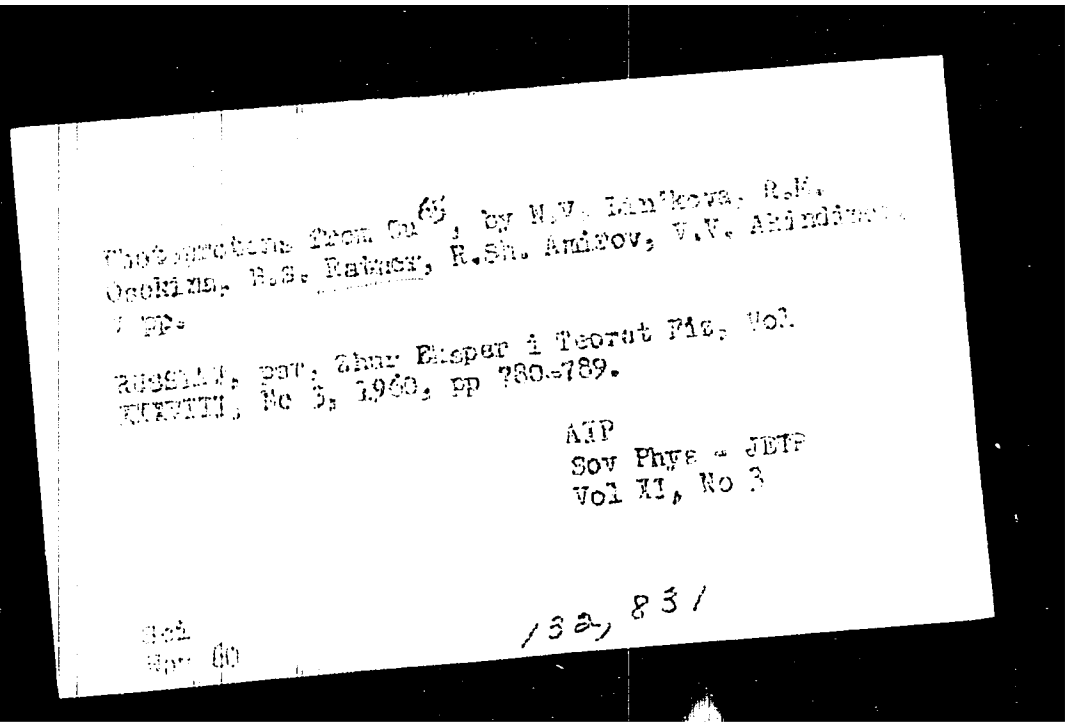

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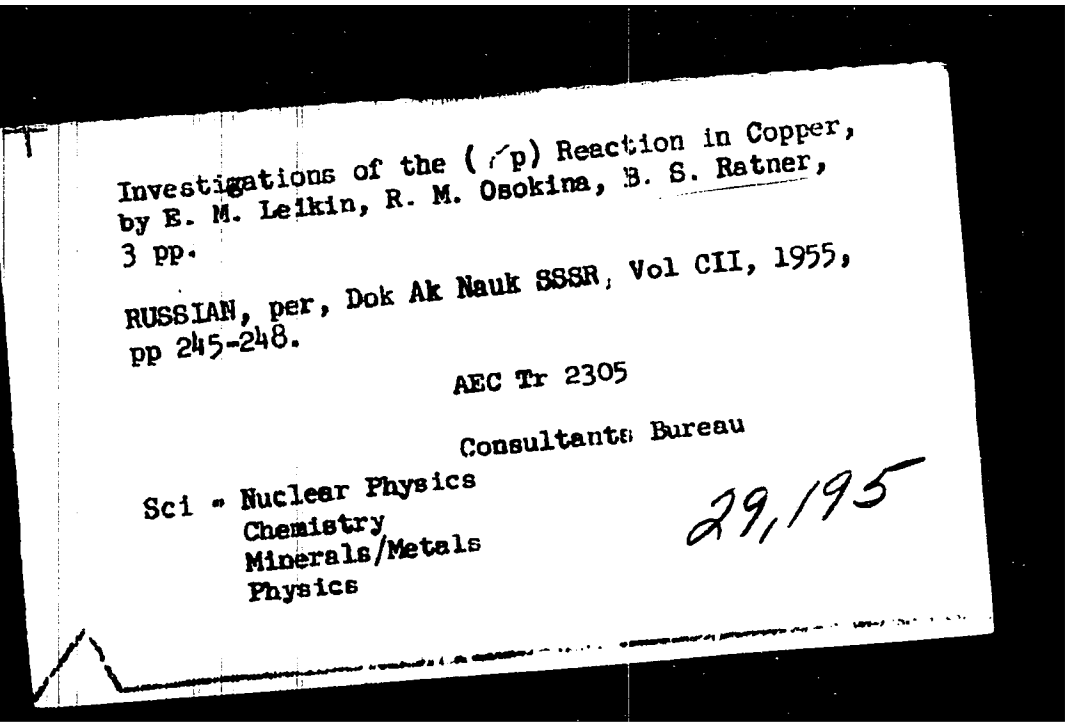

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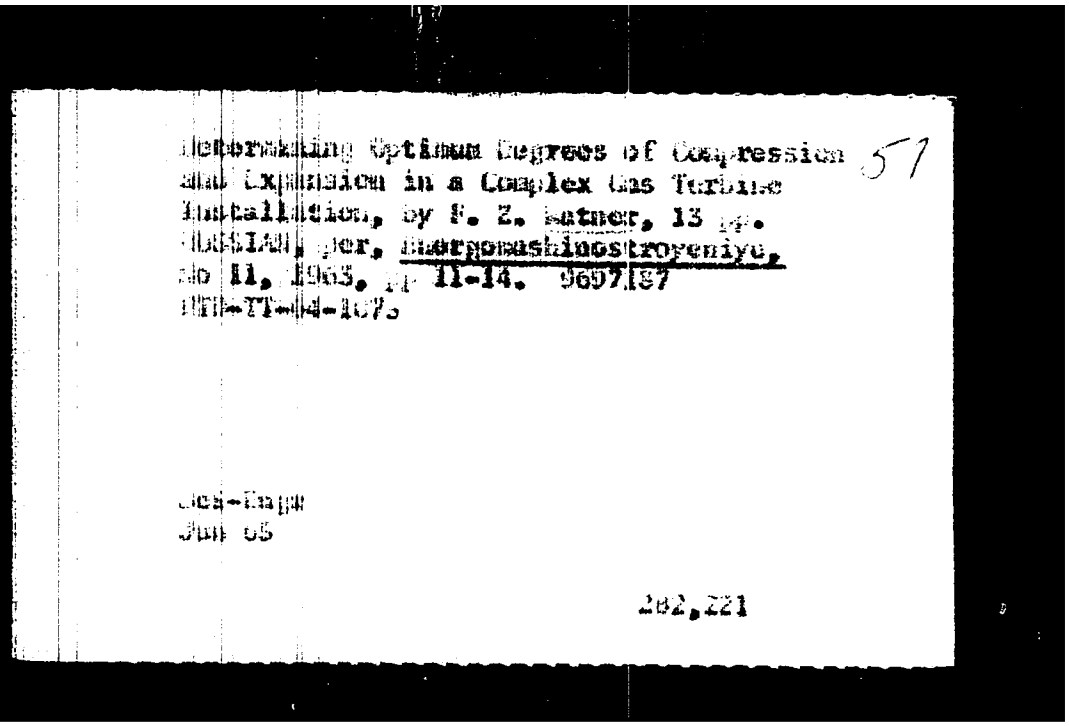

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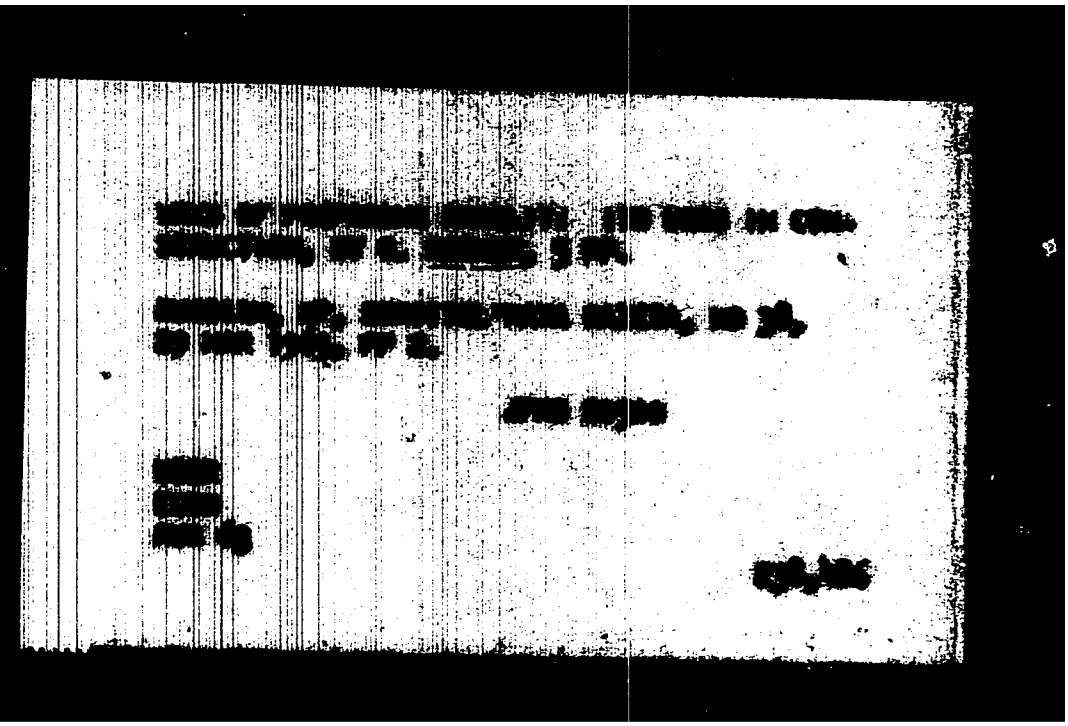

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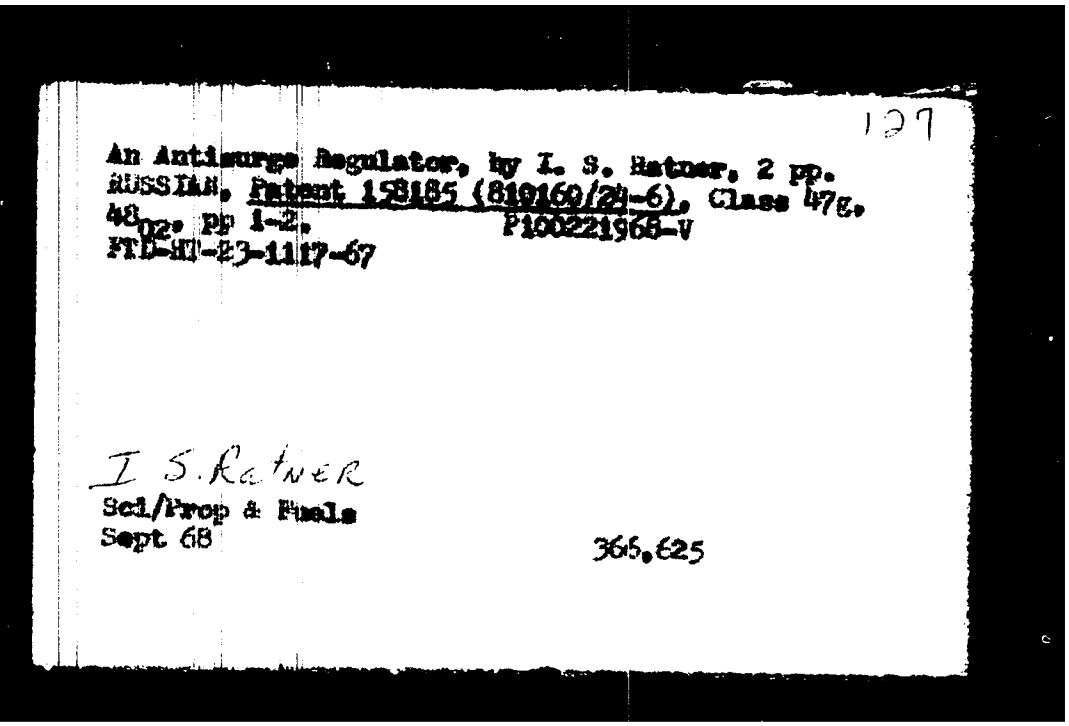

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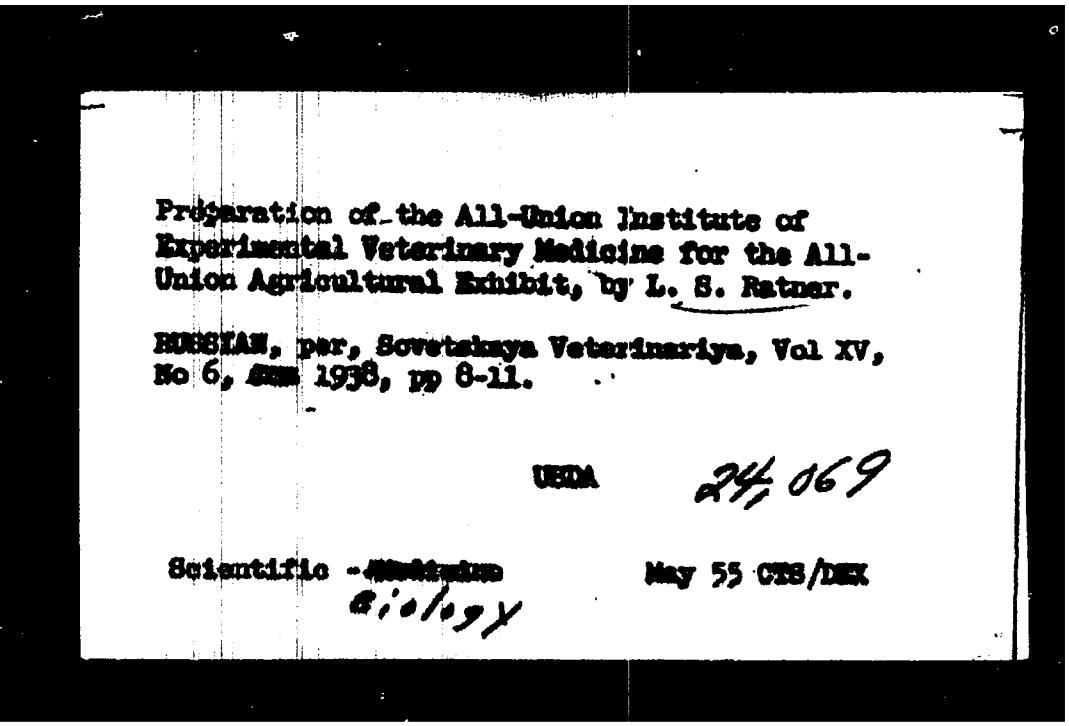

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